

Mental Health YS*5.01*187

Deployment, Installation, Back-Out, and Rollback Guide



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1. Introduction

This document describes how to deploy and install patch YS*5.01*187 of the Mental Health package, as well as how to back-out the product and rollback to a previous version or data set.

This document is a companion to the project charter and management plan for this effort.

1.1. Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom Mental Health patch YS*5.01*187 will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

1.2. Dependencies

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system. Patches YS*5.01*174, YS*5.01*151, and YS*5.01*181 must be installed.

1.3. Constraints

There are no constraints beyond the installation into an up-to-date VistA system.

2. Roles and Responsibilities

The following describes the roles and responsibilities associated with the testing and release of YS*5.01*187. This application requires both a VistA installation and an update to the web application. The Azure application manager will install the web application part of the patch. The VistA patch will be deployed via the normal PackMan route.

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Project Manager	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.	Design
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Test
Project Manager, Release Manager	Deployment	Execute deployment	Release
Individual VistA Sites	Installation	Plan and schedule installation	Release
Azure Manager	Installation	Plan and schedule installation	Release

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Release Manager	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Release
Sustainment Team	Post Deployment	Hardware, Software and System Support	Sustain

3. Deployment

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS*5.01*187 will be available for installation and deployment at all sites.

Scheduling of test installs, testing and production deployment will be at the site’s discretion. It is anticipated there will be a 14-day compliance period.

3.1. Timeline

The deployment and installation are scheduled to run during February 2022.

3.2. Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*187 deployment.

3.2.1. Deployment Topology (Targeted Architecture)

The web part of the application for YS*5.01*187 will be deployed to the Azure application server once all the sites have installed this VistA patch. Local sites, as well as regional data centers, will need to execute the VistA installation steps during the required installation period to stay synchronized with the updates to the web application.

3.2.2. Site Information (Locations, Deployment Recipients)

The initial deployment will be to Initial Operating Capability (IOC) sites for verification of functionality. Once testing is completed and approval is given for national release, YS*5.01*187 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Clement J. Zablocki VAMC (Milwaukee, WI)
- Orlando VAMC (Orlando, FL)

3.2.3. Site Preparation

YS*5.01*187 requires a fully patched VistA system. In particular, YS*5.01*174, YS*5.01*151, and YS*5.01*181 must be installed prior to the installation of YS*5.01*187.

3.3. Resources

3.3.1 Facility Specifics (optional)

No specific facility instructions needed.

3.3.2 Hardware

No hardware instructions needed.

3.3.3 Software

No software instructions needed.

3.3.4 Communications

When YS*5.01*187 is released, the released-patch notification will be sent from the National Patch Module to all personnel who have subscribed to notifications for the Mental Health package patch.

4. Installation

4.1. Pre-installation and System Requirements

There are no pre-installation requirements.

4.2. Platform Installation and Preparation

This patch can be loaded with users in the system. Installation time will be less than 5 minutes.

To ensure the integrity of the transport global, use the “Verify Checksums in Transport Global” to compare the checksums with the list that follows:

The checksums below are new checksums, and
can be checked with CHECK1^XTSUMBLD.

```
Select BUILD NAME: YS*5.01*187          MENTAL HEALTH
YS187CMT  value = 7570637
YS187PST  value = 8454569
YSASNAR   value = 38821550
YSASOSR   value = 7119753
YSASPNT   value = 10403708
YSFORM    value = 3310530
YSGAF     value = 41616030
YSGAF1    value = 15570034
YSMTI     value = 16708501
YSMTI0    value = 6369202
YSUTL     value = 11548628
```

```
YTAUIRR    value = 15197340
YTEXT      value = 22607057
YTMMPI2C   value = 11799927
YTONLY     value = 29879837
YTQAPI11   value = 30662317
YTQCONS    value = 21976379
YTQREST    value = 25078079
YTQREST0   value = 10648530
YTQRQAD    value = 72764146
YTQRQAD1   value = 114449279
YTQRQAD3   value = 67358428
YTQRQAD4   value = 180074687
YTQRQAD5   value = 54349494
YTQRQAD6   value = 58497664
YTQRQAD7   value = 59545179
YTQRUTL    value = 68637876
YTQTIU     value = 23272019
YTRPWPR    value = 16938121
YTS        value = 17238208
YTSCMIXG   value = 37594567
YTSMCMIA   value = 246584185
YTSMCMIA   value = 83434083
YTSMCMIB   value = 24756919
done
```

4.3. Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*187 requires access to Kernel Installation and Distribution System (KIDS) options to be able to load and install the KIDS build.

4.4. Installation Procedure

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

1. Choose the PackMan message containing this build. Then select the INSTALL/CHECK MESSAGE PackMan option to load the build.

2. From the KIDS Menu, select the Installation Menu. From this menu:
 - A. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name (YS*5.01*187).
 - B. Select the Backup a Transport Global option to create a backup message. You must use this option for each patch contained in the Host File. For each patch you can specify what to backup, the entire Build or just Routines. The backup message can be used to restore just the routines or everything that will restore your system to pre-patch condition.
 - C. You may also elect to use the following options:
 - i. Print Transport Global - This option will allow you to view the components of the KIDS build.
 - ii. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all of the components of this patch, such as routines, DDs, templates, etc.
 - D. Select the Install Package(s) option and choose the patch to install (YS*5.01*187).
 - i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.
 - ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.
 - iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

4.5. Post-installation

4.5.1. Configure/Update MHA Web on the CPRS Tools Menu

This procedure configures or updates VistA so that “MHA Web” appears as a choice on a user’s Tools menu on the CPRS desktop software.

NOTE: If you already have MHA Web on the CPRS Tools Menu, still look carefully at the command as it has changed to launch MHA Web in its own browser instance.

MHA Web must be started from the CPRS Tools Menu and should launch in a new browser window rather than appear as an additional tab on an existing browser session if one exists. Each site must decide if Microsoft Edge or Google Chrome will be used for MHA Web.

Go to the GUI TOOL Menu, Select 4 for System. At the Select Sequence prompt, enter a question mark to see if MHA Web has already been set up in the Tools Menu. If it has, then select that sequence number. If it has not, then select a new sequence number to assign for MHA Web.

- If using Microsoft Edge

The Name=Command is

```
MHA Web=cmd /c start msedge.exe -new-window  
"https://mha.med.va.gov/app/home?station=<station number>&poi=%DFN"
```

You need to substitute <station number> with your three-digit VistA instance station number.
NOTE: there is only a single space between -new-window and the quoted URL.

- If using Google Chrome

The Name=Command is

```
MHA Web=cmd /c start chrome.exe -new-window  
"https://mha.med.va.gov/app/home?station=<station number>&poi=%DFN"
```

You need to substitute <station number> with your three-digit VistA instance station number.
NOTE: there is only a single space between -new-window and the quoted URL.

Example: The example below shows the setup of MHA Web on the CPRS Tools menu from the GUI TOOLS MENU [ORW TOOL MENU ITEMS] option:

```
<CPM> Select OE/RR MASTER MENU <NGOLD> Option: ^GUI TOOL Menu Items  
CPRS GUI Tools Menu may be set for the following:  
  
1 User          USR      [choose from NEW PERSON]  
2 Location      LOC      [choose from HOSPITAL LOCATION]  
2.5 Service     SRV      [choose from SERVICE/SECTION]  
3 Division      DIV      [LYNCHBURG (CLL)]  
4 System        SYS      [NGOLD.DEVSLC.FO-SLC.MED.VA.GOV]  
9 Package       PKG      [ORDER ENTRY/RESULTS REPORTING]  
  
Enter selection: 4 System  NGOLD.DEVSLC.FO-SLC.MED.VA.GOV  
  
-- Setting CPRS GUI Tools Menu for System: NGOLD.DEVSLC.FO-SLC.MED.VA.GOV --  
Select Sequence: 5  
Are you adding 5 as a new Sequence? Yes// <enter> YES  
  
Sequence: 5// <enter> 5  
Name=Command:MHA Web=cmd /c start msedge.exe -new-window  
"https://mha.med.va.gov/app/home?station=999&poi=%DFN"  
Select Sequence: <enter>
```

NOTE: 999 is the example VistA Station number.

In addition to this post-install step, a post-install routine will run to clear out extraneous MCM14 log data, update the TAG FOR SUICIDE RISK and ROUTINE FOR SUICIDE RISK for the BDI2 and CCSA-DSM5 instruments, and install instrument updates through the Instrument Exchange utility.

4.6. Installation Verification Procedure

If you have a patient that has had the BASIS-24 instrument, log into CPRS and launch the regular MHA application. Go to Instrument Results Review and verify that in the report, Emotional Liability displays rather than Emotional Liability. Other changes will only be apparent once version 1.3 of MHA Web is deployed after all sites have installed this VistA patch, YS*5.01*187.

4.7. Database Tuning

No database tuning required.

5. Back-Out Procedure

5.1. Back-Out Strategy

This patch updates the Mental Health Application – Web (MHA Web) application. If MHA Web does not perform as desired, it is possible to back out to the previous implementation. The backout procedure will leave the new PARAMETER DEFINITION in place but inoperative since they are only used by this version of the MHA Web application. If there is a compelling reason to back-out the PARAMETER DEFINITION and related PARAMETERS, if created, you will need to contact the development team for a patch.

5.2. Back-Out Considerations

If the YS*5.01*187 patch is backed out, there will be minimal impact to users.

5.3. Back-Out Criteria

A back-out should only be considered if there is a patient safety issue, if MHA Web no longer functions, or if there is some other catastrophic failure.

5.4. Back-Out Risks

The risks vary depending on what is causing the failure of the system. The main risk is that the MHA Web will be unavailable.

5.5. Authority for Back-Out

The VistA system manager determines if a back-out of YS*5.01*187 should be considered.

5.6. Back-Out Procedure

The following routines need to be restored to their previous versions:

- YSASNAR
- YSASOSR
- YSASPNT
- YSFORM
- YSGAF
- YSAGF1
- YSMTI
- YSMTI0
- YSUTL
- YTAUIRR
- YTEXT
- YTMMP12C
- YTONLY
- YTQAPI11
- YTQCONS
- YTQREST
- YTQREST0

- YTQRQAD
- YTQRQAD1
- YTQRQAD3
- YTQRQAD4
- YTQRQAD5
- YTQRQAD6
- YTQRQAD7
- YTQRUTL
- YTQTIU
- YTRPWRP
- YTS
- YTSMIXG
- YTSMCMI4
- YTSMCMIA
- YTSMCMIB

Use the KIDS utility to restore the routines backed up in section 4.4, 2B.

Verify with the Azure application administrator that the web application has been backed out to the previous version.

5.7. Back-out Verification Procedure

As a way to verify the back-out, identify a patient that has had the BASIS-24 instrument. Log into CPRS and launch the regular MHA application. Go to Instrument Results Review and verify that in the report, Emotional Liability has reverted to Emotional Liability.

6. Rollback Procedure

6.1. Rollback Considerations

There are no rollback considerations.

6.2. Rollback Criteria

This is no rollback criteria.

6.3. Rollback Risks

There are no rollback risks.

6.4. Authority for Rollback

Authority for rollback is not needed.

6.5. Rollback Procedure

There is no rollback procedure.

6.6. Rollback Verification Procedure

There is no rollback verification procedure.

7. Appendix A – Acronyms

Table 2: Acronyms

Acronym	Definition
CAG	Citrix Access Gateway
CPRS	Computerized Patient Record System
DIBRG	Deployment, Installation, Back-out, and Rollback Guide
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MHA	Mental Health Assistant
OIT	Office of Information and Technology
PIN	Personal Identification Number
PIV	Personal Identity Verification
SPP	Suicide Prevention Package
SQA	Software Quality Assurance
SSOi	Single Sign-On Integration
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VIP	Veteran-focused Integration Process
VistA	Veterans Health Information System and Technology Architecture